

ABSTRACTSQL JOIN ELIMINATION

5 A method of preventing execution of unnecessary joins
between tables in a database is described.

 A Structured Query Language (SQL) statement is
presented to the database. The SQL statement has a scope
that extends to a set of tables in the database and returns
10 a set of results from the database.

 A list of tables that are within the scope of the SQL
statement but that are not referred to by the SQL statement
is prepared.

 Tables that must be accessed in order to return the
15 set of results are removed from the list in accordance with
a predetermined set of rules. The execution of joins
involving any of the tables remaining in the list is
prevented.

20 (Figure 2)